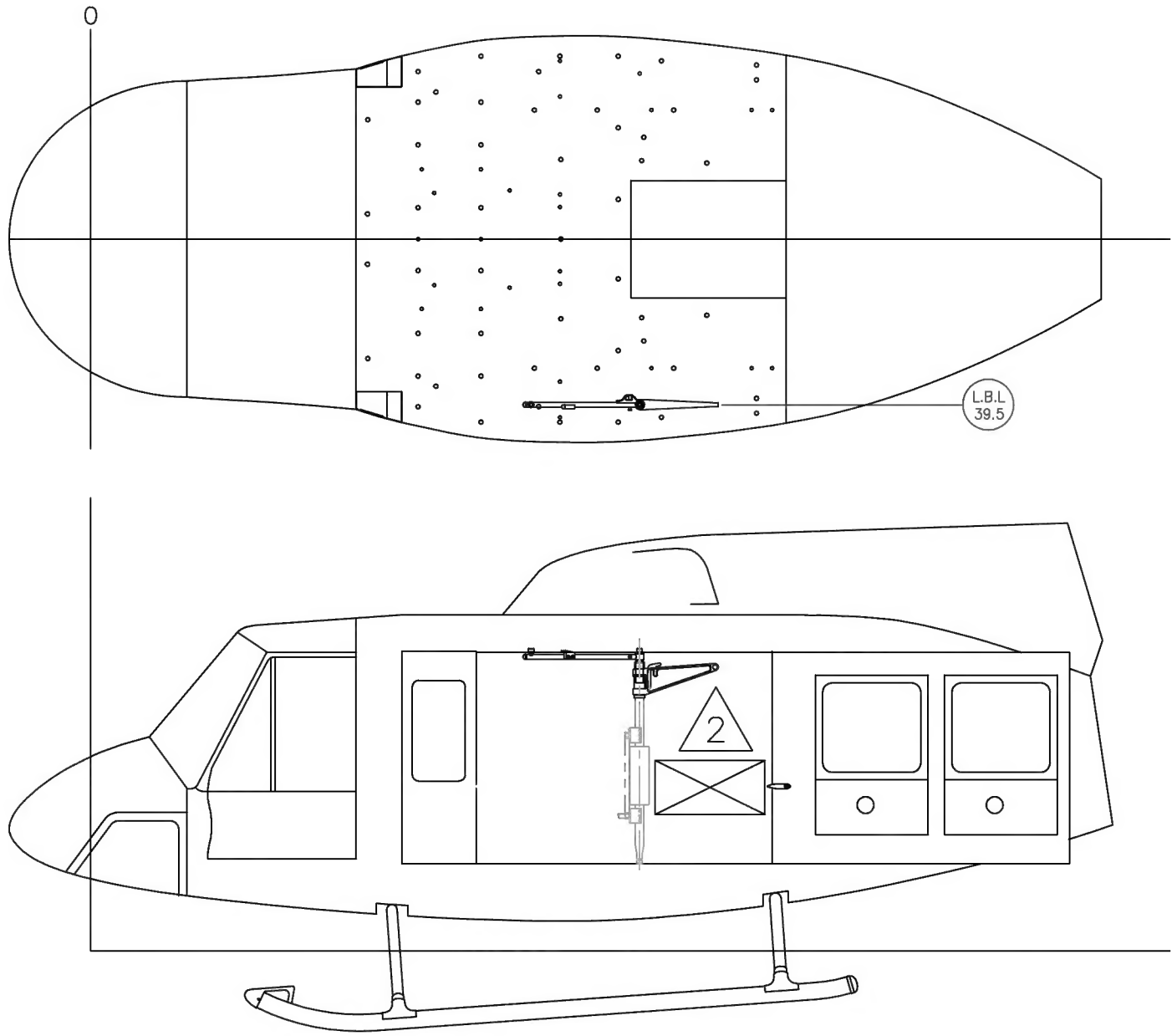


WEIGHT AND BALANCE						
ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL		LATERAL	
			ARM (IN)	MOMENT (LB-IN)	ARM (IN)	MOMENT (LB-IN)
01	CARGO DEPLOY ARM INST – LHS (IF INSTALLED)	4.6	135.3	622.4	–39.5	–181.7
02	CARGO DEPLOY ARM INST –RHS (IF INSTALLED)	4.6	135.3	622.4	39.5	181.7



- 01 CARGO DEPLOYMENT ARM INST. LHS  
SHOWN
- 02 CARGO DEPLOYMENT ARM INST. RHS  
NOT TO SCALE

AIRCRAFT MUST BE IN HOVER FOR  
CARGO DEPLOYMENT OPERATIONS

11 PLACARD  
SCALE 1 : 1

CARGO DEPLOYMENT OPERATIONS  
DURING VFR CONDITIONS ONLY

12 PLACARD  
SCALE 1 : 1

TORQUE VALUE CHART (DRY) FOR ALL FASTENERS

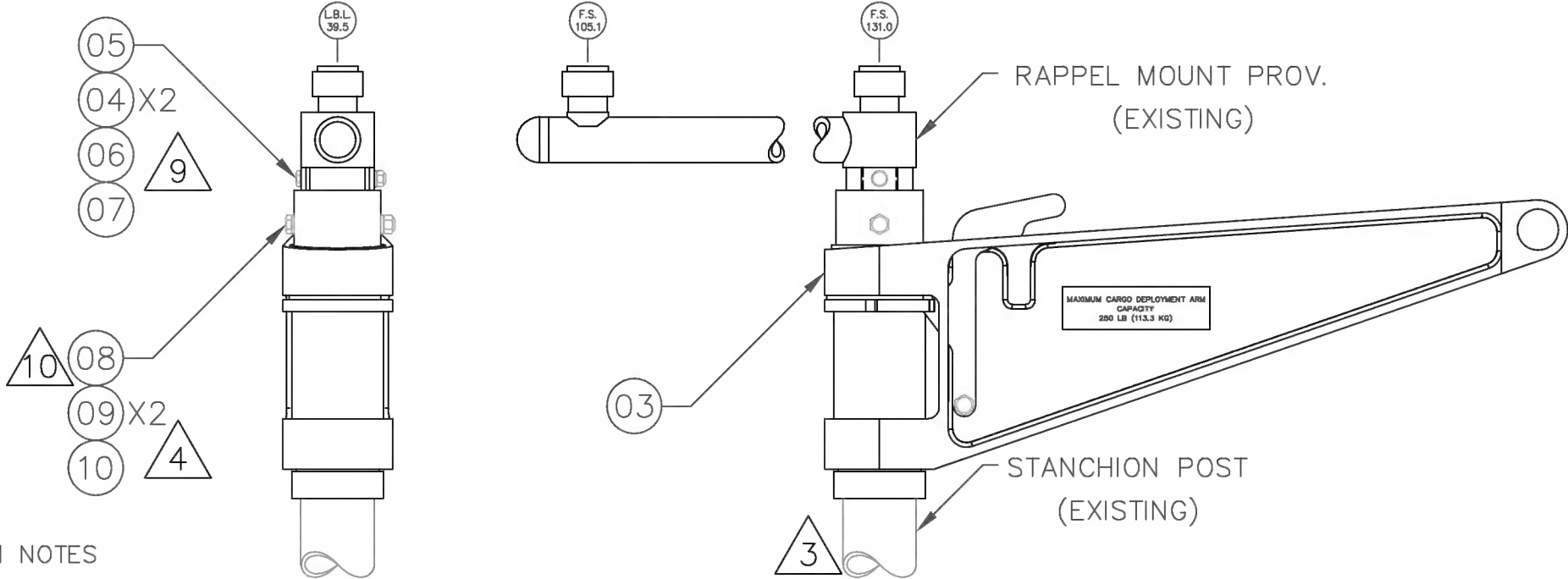
FASTENER DIAMETER/THREAD SIZE	RECOMMENDED STANDARD TORQUE RANGE
10 – 32	20 TO 25 IN-LB
1/4 – 28	50 TO 70 IN-LB

NOTE: THE ABOVE VALUES APPLY TO ANY FASTENER  
COMBINATION UNLESS OTHERWISE SPECIFIED. TARE  
TORQUE MUST BE ADDED TO ALL TORQUE VALUES.

PLACARD NOTES – TYP ALL PLACARDS

LINEWIDTH = 1/32"  
MIN. TEXT HEIGHT = 1/8"  
TEXT COLOUR = RED  
TEXT FONT = ARIAL  
BACKGROUND COLOUR = WHITE

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADDED NOTE 10.	RR	27/05/08
2	CHANGE PART NO. FOR ITEM 07 AND 10. REMOVED ITEM 13	RR	23/07/08



INSTALLATION NOTES

1. INSTALLATION OF AERO DESIGN LTD. LSTC C-LSH08-157/D "RAPPEL MOUNT PROVISION LHS" 75801-01 IS A REQUISITE TO INSTALLATION OF ITEM 01 "CARGO ARM INST. LHS".  
INSTALLATION OF AERO DESIGN LTD. LSTC C-LSH08-157/D "RAPPEL MOUNT PROVISION RHS" 75801-02 IS A REQUISITE TO INSTALLATION OF ITEM 02 "CARGO ARM INST. RHS".  
REFER TO AERO DESIGN LTD. DRAWING 75801 "RAPPEL MOUNT PROVISION" FOR INSTALLATION AND WEIGHT AND BALLANCE INFO.
- 2 REMOVAL OF THE LHS SIDEWARD FACING SEATS IS MANDITORY FOR INSTALLATION OF ITEM 01 "CARGO ARM INST. LHS"  
REMOVAL OF THE RHS SIDEWARD FACING SEATS IS MANDITORY FOR INSTALLATION OF ITEM 02 "CARGO ARM INST. RHS"
- 3 REMOVE UPPER STANCHION PAD OF THE LH STANCHION POST FOR INSTALLATION OF ITEM 01 "CARGO ARM INST. LHS"  
REMOVE UPPER STANCHION PAD OF THE RH STANCHION POST FOR INSTALLATION OF ITEM 02 "CARGO ARM INST.RHS"
- 4 ALIGN BEARING SLEEVE HOLE WITH STANCHION SLOT AND STANCHION ADAPTOR HOLE. INSTALL HARDWARE AS SHOWN.
5. INSTALL ITEM 11 "PLACARD" AND ITEM 12 "PLACARD" IN CLEAR VIEW OF THE PILOT.
- 6 \* NOTE REMOVED \*
7. A HOOK KNIFE MUST BE CARRIED OR INSTALLED IN ACCORDANCE WITH AERO DESIGN LTD. DRAWING 75801.  
THE HOOK KNIFE MUST BE READILY ACCESSIBLE TO THE LOAD MASTER WHILE OPERATING THE CARGO DEPLOYMENT ARM.
8. ENSURE ALL ROOF AND FLOOR FITTINGS ARE SEATED AND LOCKED INTO POSTION.
- 9 INSTALL ITEM 04 "BEARING CLIPS" AND ASSOCIATED HARDWARE AFTER THE STANCHION POST AND RAPPEL MOUNT PROVISION ARE LOCKED INTO THE HELICOPTER ROOF AND FLOOR.
- 10 IF OPTIONAL BRACKET (80120) INSTALLED, REPLACE ITEM 08 (AN4-26A) WITH AN4-32A. ALIGN BRACKET WITH OTHER ITEMS PER NOTE 4.

1	1	RAPTOR	14	HOOK KNIFE	VANGUARD TECHNETICS, INC. (SAFETY KNIFE)
		–	13	–	3M
1		79201-12	12	PLACARD	3M SCOTCHCAL 7725-10 (0.09MM) VINYL 3M
1		79201-11	11	PLACARD	3M SCOTCHCAL 7725-10 (0.09MM) VINYL 3M
1	1	MS21044N4	10	LOCKNUT	
2	2	AN960-416	09	WASHER	
1	1	AN4-26A	08	BOLT	SEE NOTE 10
1	1	MS21044N3	07	LOCKNUT	
1	1	AN960-10	06	WASHER	
1	1	AN3-23A	05	BOLT	
2	2	75836-01	04	BEARING CLIP	
1	1	79220-01	03	CARGO ARM ASSEMBLY	
		79201-02	02	CARGO ARM INSTALLATION RHS	
		79201-01	01	CARGO ARM INSTALLATION LHS	

Q02	Q01	PART NO.	ITEM	DESCRIPTION	MATERIAL	VENDOR				
QTY	QTY	LIST OF MATERIALS								
<div>NOTICE</div> <div>THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.</div>		APPROVALS		DATE		<div>AERO DESIGN LTD.</div> <div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M</div> <div>2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7</div> <div>tel: (403) 250-8027      fax: (403) 250-8333      www.aerodesign.ca</div>				
		DRAWN: R. RATHWELL		22/04/08						
		CHECKED: E. BURGAIN								
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS                      ANGLES X.XXX    ±0.010                      ±1/2° X.XX     ±0.03 X.X      ±0.1				BELL 212, 412, 205A-1, 205B CARGO DEPLOYMENT ARM INSTALLATION				
						SCALE: NOTED		DWG. SIZE	DWG. NO.	
SHEET 1 OF 1						A2	79201		2	